Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/27/2017 11:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124734	-1	1.41	124618	1.38
Blue	F	SSC	125000	123936	-1	2.51	124422	2.28
Blue	E	FITC	21625	20985	-3	2.36	932	9.87
Blue	D	PE	26832	26335	-2	2.02	944	9.33
Blue	B	PerCP-Cy5-5	48027	47682	-1	3.23	1360	16.84
Blue	A	PE-Cy7	40971	40666	-1	4.88	630	34.5
Red	C	APC	49746	48967	-2	2.8	2838	9.41
Red	A	APC-Cy7	53615	52889	-2	2.76	1092	11.21
Violet	B	V450	14488	13719	-6	6.45 (1)	657	10.08
Violet	A	V500	55123	53212	-4	6.41	2357	7.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19044	4.53	601	3	N/A	N/A	Pass
Blue	F	SSC	61571	1.6	533	-1	N/A	N/A	Pass
Blue	E	FITC	107	38.44	533	-3	0.0229	240	Pass
Blue	D	PE	207	28.33	528	-3	0.186	281	Pass
Blue	B	PerCP-Cy5-5	215	43.66	626	-3	0.0101	58	Pass
Blue	A	PE-Cy7	71	112.57	676	-5	0.0125	14	Pass
Red	C	APC	331	27.19	590	-4	0.0204	48	Pass
Red	A	APC-Cy7	120	40.95	575	-5	0.0056	1791	Pass
Violet	B	V450	79	43	473	2	0.0551	2431	Pass
Violet	A	V500	172	25.4	499	3	0.021	2296	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-31.17	0.80
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.78	13.27 - 19.91	N/A	N/A	31.52	31.79	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14019

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments